

PRELIMINARY LISTS OF NEW ENGLAND PLANTS,— XI,  
HEPATICAE.<sup>1</sup>

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[The sign + indicates that an herbarium specimen has been seen; the sign — that a printed record has been found.]

RICCIACEAE.		Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Riccia arvensis Aust.	. . . . .					—	+
“ crystallina L.	. . . . .						+
“ fluitans L.	. . . . .	+		—	+	—	+
“ Sullivantii Aust.	. . . . .			+	+	+	+
Ricciocarpus natans (L.) Corda	. . . . .	+	+	+	+	+	+

MARCHANTIACEAE.		Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Asterella tenella (L.) Beauv.	. . . . .	+		—	+	+	+
Conocephalum conicum (L.) Dumort.	. . . . .	+	+	+	+	+	+
Grimaldia fragrans (Balb.) Corda	. . . . .			+	—	—	+
Lunularia cruciata (L.) Dumort.	. . . . .			+	+	—	+
Marchantia polymorpha L.	. . . . .	+	+	+	+	+	+
Preissia quadrata (Scop.) Nees	. . . . .	+	+	+	+	—	+
Reboulia hemisphaerica (L.) Raddi	. . . . .	+		+	+	—	+

METZGERIACEAE.		Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Blasia pusilla L.	. . . . .	+	+	+	+	+	+
Fossombronia foveolata Lindb.	. . . . .	+	+		+	+	+
“ salina Lindb.	. . . . .						+
“ Wondraczekii (Corda) Dumort.	. . . . .		+				+
Metzgeria conjugata Lindb.	. . . . .	—	+	+	+	—	+
Pallavicinia Lyellii (Hook.) S. F. Gray	. . . . .	+	+		+	+	+
Pellia epiphylla (L.) Corda	. . . . .	—	+	+	+	+	+
Riccardia latifrons Lindb.	. . . . .	+	+	+	+		+
“ multifida (L.) S. F. Gray	. . . . .	+	+	—	+	—	+
“ palmata (Hedw.) S. F. Gray	. . . . .	—			—	—	+
“ pinguis (L.) S. F. Gray	. . . . .		+	+		—	+
“ sinuata (Dicks.) Trevis.	. . . . .				+	—	+

<sup>1</sup> Printed in RHODORA as supplementary material.

## JUNGERMANNIACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
<i>Anthelia Juratzkana</i> (Limpr.) Trevis. . . . .		+				
<i>Archilejeunea clypeata</i> (Schwein.) Schiffn. . . . .				+		+
“ <i>Sellowiana</i> Steph. . . . .					+	
<i>Bazzania triangularis</i> (Schleich.) Lindb. . . . .		+	+	+		+
“ <i>trilobata</i> (L.) S. F. Gray . . . . .	+	+	+	+	+	+
<i>Blepharostoma trichophyllum</i> (L.) Dumort. . . . .	+	+	+	+		+
<i>Cephalozia bicuspidata</i> (L.) Dumort. . . . .	+	+	+	+		+
“ <i>catenulata</i> (Hüben.) Lindb. . . . .	+		—		—	+
“ <i>connivens</i> (Dicks.) Lindb. . . . .				+	—	+
“ <i>curvifolia</i> (Dicks.) Dumort. . . . .	+	+	+	+	—	+
“ <i>divaricata</i> (Smith) Dumort. . . . .	+	+	+	+	+	+
“ <i>fluitans</i> (Nees) Spruce . . . . .	+					+
“ <i>Francisci</i> (Hook.) Dumort. . . . .	+					
“ <i>Jackii</i> Limpr. . . . .				+		
“ <i>lunulaefolia</i> Dumort. . . . .	+	+	+	+	—	+
“ <i>Macounii</i> Aust. . . . .	+	+				
“ <i>pleniceps</i> (Aust.) Lindb. . . . .	—	—				
<i>Chiloscyphus ascendens</i> Hook. & Wils. . . . .				—	—	+
“ <i>polyanthus</i> (L.) Corda . . . . .	+	+	—	+	—	+
<i>Cololejeunea Biddlecomiae</i> (Aust.) Evans . . . . .			+	+		+
<i>Diplophylleia albicans</i> (L.) Trevis. . . . .	+					
“ <i>apiculata</i> Evans . . . . .				+	+	+
“ <i>taxifolia</i> (Wahl.) Trevis. . . . .	+	+	+	+		+
<i>Frullania Asagrayana</i> Mont. . . . .	+	+	+	+	+	+
“ <i>Brittoniae</i> Evans . . . . .				+	+	+
“ <i>Eboracensis</i> Gottsche . . . . .	+	+	+	+	+	+
“ <i>Oakesiana</i> Aust. . . . .	+	+	+			
“ <i>plana</i> Sulliv. . . . .					—	+
“ <i>riparia</i> Hampe . . . . .		+		—		+
“ <i>squarrosa</i> (R. Bl. & N.) Dumort. . . . .				—	—	+
“ <i>Tamarisci</i> (L.) Dumort. . . . .	+			—	+	
“ <i>Virginica</i> Gottsche . . . . .				—	—	+
<i>Geocalyx graveolens</i> (Schrad.) Nees . . . . .	+	+	+	+	—	+
<i>Gymnomitrium concinnatum</i> (Lightf.) Corda. . . . .	+	+				
“ <i>corallioides</i> Nees . . . . .		+				
<i>Harpanthus scutatus</i> (Web. & Mohr) Spruce . . . . .		+	+	—	—	+
<i>Jamesoniella autumnalis</i> (DC.) Steph. . . . .	+	+	+	+	—	+
<i>Jubula Hutchinsiae</i> (Hook.) Dumort. . . . .	+	+	+	+	—	+
<i>Jungermannia lanceolata</i> L. . . . .	+	+		+	—	+
“ <i>pumila</i> With. . . . .	—	+			—	+
“ <i>sphaerocarpa</i> Hook. . . . .		+				
<i>Kantia Sullivantii</i> (Aust.) Underw. . . . .				+		+
“ <i>Trichomanis</i> (L.) S. F. Gray . . . . .	+	+	+	+	+	+
<i>Lejeunea cavifolia</i> (Ehrh.) Lindb. . . . .		+	+	+		+

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
<i>Lepidozia reptans</i> (L.) Dumort. . . . .	+	+	+	+	+	+
“ <i>setacea</i> (Web.) Mitt. . . . .	+		—	+	—	+
“ <i>sphagnicola</i> Evans . . . . .						+
<i>Lophocolea Austini</i> Lindb. . . . .						+
“ <i>bidentata</i> (L.) Dumort. . . . .	—		—	—	—	+
“ <i>heterophylla</i> (Schrad.) Dumort. . . . .	+	+	+	+	+	+
“ <i>minor</i> Nees . . . . .			+		+	+
<i>Lophozia alpestris</i> (Schleich.) Evans . . . . .	+	+				
“ <i>barbata</i> (Schreb.) Dumort. . . . .	+	+	+	+	—	+
“ <i>bicrenata</i> (Schmid.) Dumort. . . . .		+	+	+		+
“ <i>Floerkii</i> (Web. & Mohr) Schiffn. . . . .		+				
“ <i>gracilis</i> (Schleich.) Steph. . . . .	+	+	+	+		
“ <i>incisa</i> (Schrad.) Dumort. . . . .	+	+	—	+	—	+
“ <i>inflata</i> (Huds.) M. A. Howe . . . . .	+	+	+			+
“ <i>lycopodioides</i> (Wallr.) Cogn. . . . .	+	+				
“ <i>Lyonii</i> (Tayl.) Steph. . . . .	+	+	+			+
“ <i>Marchica</i> (Nees) Steph. . . . .	—			+		+
“ <i>ventricosa</i> (Dicks.) Dumort. . . . .	+	+	+	+	—	
<i>Marsupella emarginata</i> (Ehrh.) Dumort. . . . .	+	+	+	+		+
“ <i>sphacelata</i> (Gieseke) Dumort. . . . .	+	+	+			+
“ <i>ustulata</i> (Hüben.) Spruce . . . . .		+				
<i>Mylia anomala</i> (Hook.) S. F. Gray . . . . .	+					+
“ <i>Taylori</i> (Hook.) S. F. Gray . . . . .	+	+	+		—	
<i>Nardia crenulata</i> (Smith) Lindb. . . . .	+	+	—	+	+	+
“ <i>haematosticta</i> (Nees) Lindb. . . . .		+				
“ <i>hyalina</i> (Lyell) Carringt. . . . .	+		+	+		+
“ <i>obovata</i> (Nees) Lindb. . . . .	+	+				
<i>Odontoschisma denudatum</i> (Mart.) Dumort. . . . .		+	+	+	—	+
“ <i>prostratum</i> (Swartz) Trevis. . . . .				+		+
<i>Plagiochila asplenioides</i> (L.) Dumort. . . . .	+	+	+	+	+	+
“ <i>Sullivantii</i> Gottsche . . . . .		+				+
<i>Porella pinnata</i> L. . . . .		+	+	+	—	+
“ <i>platyphylla</i> (L.) Lindb. . . . .	+	+	+	+	+	+
“ <i>rivularis</i> (Nees) Trevis. . . . .						+
<i>Ptilidium ciliare</i> (L.) Nees . . . . .	+	+	+	+	+	+
<i>Radula complanata</i> (L.) Dumort. . . . .	+	+	+	+	+	+
“ <i>obconica</i> Sulliv. . . . .						+
“ <i>tenax</i> Lindb. . . . .		+				+
<i>Scapania convexula</i> C. Müll. Frib. . . . .	+					
“ <i>curta</i> (Mart.) Dumort. . . . .	+	+				
“ <i>irrigua</i> (Nees) Dumort. . . . .	—	+				+
“ <i>nemorosa</i> (L.) Dumort. . . . .	+	+	+	+	+	+
“ <i>paludosa</i> C. Müll. Frib. . . . .		+				
“ <i>subalpina</i> (Nees) Dumort. . . . .		+				

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Scapania umbrosa (Schrad.) Dumort. . . . .	+	+				
“ undulata (L.) Dumort. . . . .	+	+	+	+	+	+
Sphenolobus exsectaeformis (Breidl.) Steph. . . . .		+				
“ exsectus (Schmid.) Steph. . . . .		—	—	—		+
“ Michauxii (Web.) Steph. . . . .	+	+	+	+		
“ minutus (Crantz) Steph. . . . .	+	+				
Temnoma setiforme (Ehrh.) M. A. Howe . . . . .	+	+	+			
Trichocolea tomentella (Ehrh.) Dumort. . . . .	+	+	+	+	—	+

## ANTHOCEROTACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Anthoceros laevis L. . . . .	+	+	—	+	+	+
“ punctatus L. . . . .			—	—	—	+
Notothyas orbicularis (Schwein.) Sulliv. . . . .				+	—	+

GALIUM ERECTUM AND ASPERULA GALIOIDES IN AMERICA.—While at the Gray Herbarium recently the writer showed specimens of a plant found growing at Southington, Connecticut, which he supposed to be *Galium Mollugo*, L., but called attention to the fact that in some respects it did not agree with the descriptions of that species. Mr. Fernald then made a careful examination of the material at the Herbarium finding as a result that the plant above noted as well as specimens from some other stations should be referred not to *G. Mollugo*, but to the nearly related *G. erectum*, Huds.

It is not strange that the two species have been confused by collectors as *Galium erectum* is not reported in any of our Manuals as growing in America. *G. Mollugo* has panicled cymes, of which the branches are short and forking, the very numerous flowers being borne on strongly diverging pedicels. The inflorescence of *G. erectum* is of the same general form but has cymes with fewer and more erect branches, the much less numerous and larger flowers being borne on ascending pedicels. As far as shown by the material at the Gray Herbarium, *G. erectum* is confined to Nova Scotia and New England, its range being from Nova Scotia to Connecticut. *G. Mollugo* has a wider distribution, ranging from Newfoundland southward through the Middle States.

When Mr. Fernald was looking up the above mentioned species the writer showed him a specimen of another plant apparently also a